

Listing of Claims

44. (Currently amended) A genetically modified cell comprising, a polynucleotide encoding an antibody or fragment thereof, and a promoter sequence controlling expression of the polynucleotide in the cell, wherein the polynucleotide is expressed and the cell secretes the antibody or ~~fragments~~ fragment thereof such that the antibody or fragment thereof reaches into the blood circulation of a subject mammal following transplant of the cell, and wherein the cell is a cell not specialized for the natural production of antibodies.
45. (Previously presented) The genetically modified cell of claim 44, wherein the cell is selected from the group consisting of keratinocytes, hepatocytes, skin fibroblasts, myoblasts, endothelial cells and hematopoietic stem cells.
46. (Canceled)
47. (Previously presented) The genetically modified cell of claim 44, wherein the cell is capable of differentiating into a tissue but retains the ability to secrete the antibody.
48. (Canceled)
49. (Previously presented) The genetically modified cell of claim 44, wherein the antibody is detectable in the blood of the subject mammal following transplant of the cell.
50. (Canceled)
51. (Canceled)
52. (Currently amended) A method of delivering an antibody to a subject mammal comprising, transplanting a genetically modified cell comprising a polynucleotide encoding an antibody or fragment thereof, and a promoter sequence controlling expression of the polynucleotide in the cell, wherein the polynucleotide is expressed and the cell secretes the antibody or fragment thereof such that the antibody or fragment thereof reaches into the blood

circulation of the subject mammal, and wherein the cell is a cell not specialized for the natural production of antibodies.

53. (Previously presented) The method of claim 52, wherein the cell is selected from the group consisting of keratinocytes, hepatocytes, skin fibroblasts, myoblasts, endothelial cells and hematopoietic stem cells.

54. (Canceled)

55. (Previously presented) The method of claim 52, wherein the cell is capable of differentiating into a tissue but retains the ability to secrete the antibody.

56. (Canceled)

57. (Previously presented) The method of claim 52, wherein the antibody is detectable in the blood of the subject mammal.

58. (Canceled)

59. (Canceled)